

GNRHR2 Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP54488

Product Information

Application	WB, IHC-P, IHC-F, IF, ICC, E
Primary Accession	Q96P88
Reactivity	Pig
Host	Rabbit
Clonality	Polyclonal
Calculated MW	32537
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human GNRHR2
Epitope Specificity	81-180/292
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Cell membrane; Multi-pass membrane protein.
SIMILARITY	Belongs to the G-protein coupled receptor 1 family.
Post-translational modifications	Phosphorylated on the C-terminal cytoplasmic tail (Probable).
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	Gonadotropin-releasing hormone (GnRH) is released in a pulsatile manner that varies with the reproductive cycle. This hypothalamic hormone is transported to the pituitary, where it binds to specific receptors and regulates the synthesis and release of luteinizing hormone (LH) and follicle-stimulating hormone (FSH). Localized to the cell membrane, GnRHR2 mediates its own receptor activity via association with G proteins, thereby activating a phosphatidylinositol-calcium second messenger system that regulates GnRHR2 function. GnRHR2 is thought to have potent antiproliferative effects on ovarian and endometrial cancer cells, suggesting a possible role in tumor suppression. Due to alternative splicing events, GnRHR2 is expressed as two isoforms.

Additional Information

Other Names	Putative gonadotropin-releasing hormone II receptor, GnRH II receptor, GnRH-II-R, Type II GnRH receptor, GNRHR2
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,ICC=1:100-500,IF=1:100-500,ELISA=1:5000-10000
Format	0.01M TBS(pH7.4) with 1% BSA, 0.09% (W/V) sodium azide and 50% Glyce
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When

reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	GNRHR2
Function	Putative receptor for gonadotropin releasing hormone II (GnRH II) which is most probably non-functional.
Cellular Location	Cell membrane; Multi-pass membrane protein.
Tissue Location	Expressed in many tissues.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.